

allel with those of Audubon in his 'Synopsis.' I would propose as an appropriate English name for this bird, the "Long-tailed Black-cap Titmouse."—*Ibid.*

Red Colour of the Blood in Planorbis imbricatus.

By M. DE QUATREFAGES.

In examining by transmitted light *Planorbis imbricatus*, M. de Quatrefages has perceived that this little mollusk, very common in the soft water of the environs of Paris, has red-coloured blood. With a weak magnifying power the liquid is seen to fill the cavities of the pericardium and of the ventricle, and at moments to colour the general cavity of the whole body on its lower surface. M. de Quatrefages has not seen any distinct globules in this liquid. Other specimens, of a very small size, have colourless blood. M. de Quatrefages presumes that these are the young of the *P. imbricatus*, the blood of which acquires its characteristic tint only with age; and he remarks that if this conjecture is verified by observations which he intends to continue, it would be exactly the same with these mollusks as with the *Annelides*.—*Institut*, Jan. 7, 1846.

INDIAN SPECIES OF PAPHILIO.

To the Editors of the Annals of Natural History.

Brixton, May 18th, 1846.

GENTLEMEN,—Having been informed by Mr. Westwood that he had written to Dr. Erichson on the subject of my comments upon his Report on Entomology for 1842, and having been led to expect that an early answer would be received, I delayed replying to Mr. Westwood's communication in your January number.

From what I have lately heard from Mr. Westwood, it does not appear that he has now much expectation of a speedy reply, in fact that it may be deferred to the Greek calends, or may perchance have fallen on the road,

Lassaque facta viâ, lassaque facta mari;

and there lies waiting strength to continue its journey.

This being the case, I must decline to delay any longer a re-assertion of my belief that *Dr. Erichson is in nowise blameable for the errors I have pointed out in his Report, but was misled by erroneous information from England*; at the same time asserting the correctness of the Ray Society's version of the passages in question, the word Mr. Westwood would translate differently being commonly used by German entomologists to signify absolute specific identity, —a fact which I am surprised Mr. Westwood could overlook.

It is equally surprising to me that Mr. Westwood can assert that so acute an entomologist as Dr. Erichson could imagine, from my description of *P. Xenocles*, that it was identical with *P. Pollux*. I think it quite as probable for him to suppose that a minute description of a kittiwake compared with the short Linnæan description of the jackdaw proved their specific identity.

I must also beg leave to deny Mr. Westwood's right to assume, from the conversation he refers to, that my remarks were intended

to apply to him. My own language then ought to have made him hesitate to do so. At the same time I must say, that had he not denied the supposed imputation, I should have thought that such extreme sensitiveness, like M. de Pourceaugnac's—"ce n'est pas moi, je vous assure,"—indicated some internal uneasiness. His denial, of course, entirely removes this suspicion.

To any other entomologist who may chance to wince under my remarks, I might be tempted to reply, "Voilà un discours qui marque quelque chose;" but I have no intention to occupy more of your space with this trivial matter, unless Dr. Erichson's missive, having taken breath, finds strength to continue its journey. Should this prove me to be in error, no one will be more happy or ready to confess it than

Your most obedient servant,

EDWARD DOUBLEDAY.

METEOROLOGICAL OBSERVATIONS FOR APRIL 1846.

Chiswick.—April 1. Fine. 2. Cloudy: showery. 3. Clear and windy: cloudy and fine. 4. Hazy: heavy rain. 5. Heavy rain: clear. 6. Heavy rain: cloudy. 7. Slight rain: densely overcast. 8—10. Fine. 11. Dry haze. 12, 13. Cloudy and fine. 14. Clear: dry haze: overcast. 15. Densely clouded: dry haze: densely overcast. 16. Slight dry haze. 17. Foggy. 18. Rain. 19. Cloudy and cold: clear. 20. Showery: frosty at night. 21. Foggy: cloudy and fine. 22. Foggy. 23. Heavy clouds: rain. 24. Rain: dark haze: cloudy. 25. Hazy and damp: showery: hazy: foggy. 26. Extraordinary fall of rain early A.M.: dense clouds: overcast at night. 27. Clear and fine. 28. Very fine. 29, 30. Clear: very fine: overcast.

Mean temperature of the month 47°·36

Mean temperature of April 1845 48·41

Average mean temperature of April for the last twenty years 47·19

Average amount of rain in April 1·47 inch.

Boston.—April 1. Fine. 2. Rain. 3. Windy: rain P.M. 4. Cloudy: rain P.M. 5. Cloudy: rain A.M. and P.M. 6. Cloudy. 7. Rain. 8. Cloudy: rain early A.M. 9, 10. Fine. 11. Cloudy: rain P.M. 12. Fine. 13. Fine: rain early A.M. 14. Fine: rain P.M. 15. Cloudy: rain early A.M. 16—18. Cloudy. 19. Cloudy: rain A.M. 20—22. Fine. 23. Fine: rain A.M. 24, 25. Fine. 26. Cloudy: rain A.M. 27. Fine: rain A.M. 28. Cloudy. 29. Fine: ice this morning. 30. Cloudy.

Sandwick Manse, Orkney.—April 1. Snow: clear. 2. Showers: clear. 3. Snow-showers. 4. Snow-showers: frost: snow-showers. 5. Showers. 6. Showers: clear: aurora. 7. Clear: drops. 8. Cloudy: clear. 9. Bright: cloudy. 10. Bright: showers. 11. Bright: rain. 12. Fog: damp. 13. Damp: drizzle. 14. Clear. 15. Fog: cloudy. 16. Cloudy. 17. Cloudy: damp: fog. 18. Rain: clear. 19—21. Fine: clear. 22. Clear: cloudy. 23, 24. Clear. 25. Cloudy. 26. Sleet-showers: hail-showers. 27. Bright: cloudy. 28. Hail-showers: cloudy. 29. Snow-showers: clear. 30. Cloudy: clear.

Applegarth Manse, Dumfries-shire.—April 1. Wet. 2. Wet A.M.: cleared and fine. 3. Wet A.M.: cleared. 4. Slight showers: frost A.M. 5. Fair, but chilly. 6. Fair, but very bleak. 7. Fair. 8. Fair: frost A.M. 9. Fair: frost: fine. 10. Fine. 11. Rain all day. 12. Rain P.M.: thunder. 13. Frequent heavy showers. 14. Frequent heavy showers: hail: fine P.M. 15. Frequent heavy showers: rain all day. 16. Very fine spring day. 17, 18. Dropping day. 19. Fair, though chilly. 20. Frost, slight: fine. 21. Hoar-frost: rain P.M. 22. Slight showers. 23, 24. One slight shower. 25. Heavy shower: fair P.M. 26. Slight shower: fine. 27. Slight shower: frost A.M. 28. Frost A.M.: fine. 29. Frost A.M.: a slight shower. 30. A dropping day.

Mean temperature of the month 45°·6

Mean temperature of April 1845 48·2

Mean temperature of April for twenty-three years 44·2

Mean rain in April for eighteen years..... 1·69 inch.